

Reducing Greenhouse Gas Emissions and Improving Air Quality

Two Interrelated Global Challenges

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This book provides content on what is happening in the world at the energy, transportation, air quality, climate change and health nexus as it relates to reducing greenhouse gas emissions and improving air quality. It focuses on the transitions to electric vehicles, solar and wind energy, smart grids, etc. at a global scale. It also points out that when air quality benefits are included, many actions to transition to renewable energy and electric bikes, cars, trucks, and buses are in the best interests of society now.

KEY FEATURES

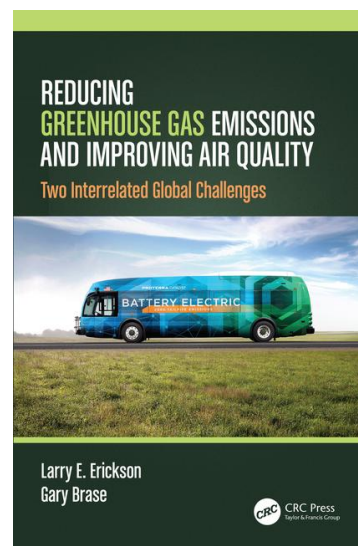
- Includes content on how to improve urban air quality in large cities and urban environments.
- Effectively addresses the energy, transportation, air quality, climate change and health nexus.
- Discusses renewable energy, smart grid, electric vehicles, and electric power management nexus with innovative concepts.
- Describes recent progress in meeting the goals of the Paris Agreement on Climate Change and the benefits of reducing greenhouse gas emissions.
- Written at an introductory level for a wide audience by world experts in sustainability.

SELECTED CONTENTS

Introduction. Paris Agreement on Climate Change. Urban Air Quality and Health. Electrification of Transportation. Renewable Energy. Batteries. Smart Grid. Electrical Power Management of Supply and Demand. Off Grid Power Management. Policy. Community Planning and Action. Public Health. Economics. Agriculture. International Developments. Examples of Progress. Conclusions.

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